

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody
Catalog # ABO14078**Specification****Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	P04908
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody - Additional Information

Gene ID 3012;8335

Other Names

Histone H2A type 1-B/E, Histone H2A.2, Histone H2A/a, Histone H2A/m, H2AC4 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4734)
HGNC:4734

Calculated MW

14135 MW KDa

Application Details

WB 1:1000-1:5000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Subcellular Localization

Nucleus. Chromosome.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Histone H2A

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody - Protein Information

Name H2AC4 ([HGNC:4734](#))

Function

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Cellular Location

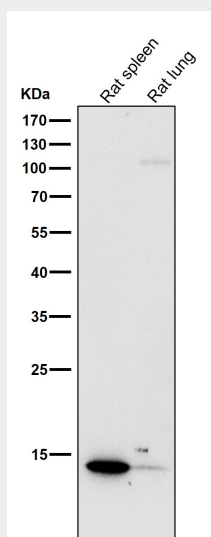
Nucleus. Chromosome.

Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody - Protocols

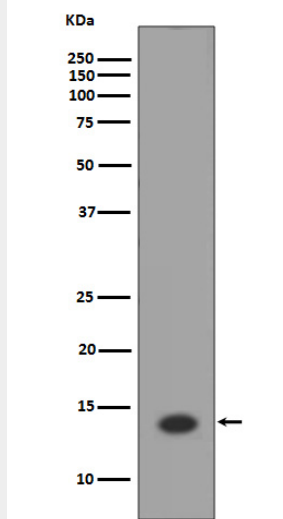
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

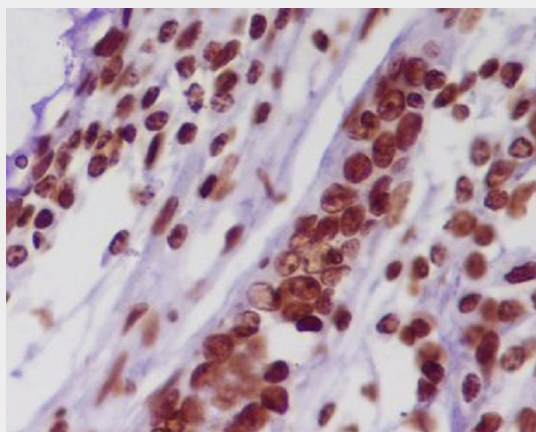
Anti-Histone H2A HIST1H2AB Rabbit Monoclonal Antibody - Images



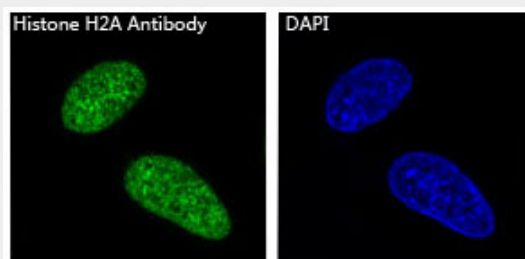
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



Western blot analysis of Histone H2A expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using Histone H2A Antibody.



Immunofluorescent analysis of HeLa cells, using Histone H2A Antibody.